

FEDERAL ITEM IDENTIFICATION GUIDE

CONVERTER,FIBER OPTIC,SINGLE- MODE/MULTIMODE

ITEM NAME CODE

68350



Commander

Defense Logistics Information Service

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This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Table of Contents

SECTION I	4
Reply Tables	16
Reference Drawing Groups.....	20
FIIG Change List	21

SECTION I

MRC	Mode Code	Requirements
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NAME	D	ITEM NAME
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Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED68350*)

APQL	J	FREQUENCY BANDWIDTH
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Definition: THE DIFFERENCES BETWEEN LIMITING FREQUENCIES OF A FREQUENCY BAND.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APQLJEA50.0*; APQLJEB20.0\$\$JEC70.0*)

REPLY CODE

G
E
K
M

REPLY (AC32)

GIGAHERTZ
HERTZ
KILOHERTZ
MEGAHERTZ

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

AJTU	D	OPTICAL FIBER TYPE
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Definition: THE TYPE OF OPTICAL FIBER IN THE CONDUCTOR

Reply Instructions: Enter the reply code from below. (AJTUDAAF*)

REPLY CODE

AAF
AAG

REPLY (AK75)

MULTIMODE
SINGLE-MODE

CYFL	J	MAXIMUM DISTANCE IN METERS
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FIIG A545U
INC 68350
SECTION I

MRC Mode Code Requirements

Definition: THE MAXIMUM DISTANCE THAT CAN BE OPERATED WITH ACCURACY, EXPRESSED IN METERS.

Reply Instructions: Enter the applicable Reply Code from the table below followed, by the numeric value. (e.g., CYFLJK144.0*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
K	KILOMETERS
M	METERS

CYFK D OPTICAL PULSE WAVELENGTH IN NANOMETERS

Definition: THE PULSE WAVELENGTH USED FOR THE MEASUREMENT OF FAULTS, OPTICAL LOSSES, SPLICING POSITION AND LOSSES, EXPRESSED IN NANOMETERS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CYFKDHJ*; CYFKDHJ\$\$DAW*)

<u>REPLY CODE</u>	<u>REPLY (AP07)</u>
HJ	825
AW	850
AP	1300
HK	1550

BHTH * B ATTENUATION IN DECIBELS

Definition: THE DECREASE IN STRENGTH OF AN ELECTRICAL IMPULSE, EXPRESSED IN DECIBELS.

Reply Instructions: Enter the numeric value. (e.g., BHTHB50.0*)

ABJH * J TEMP RATING

Definition: A VALUE WHICH EXPRESSES THE DEGREE OF HEAT OR COLD AS APPLIED TO THE OPERATION, OR LIMITATION OF OPERATION, OF AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. If the source document indicates a value below zero degrees, precede the entered value with the letter M (minus). (e.g., ABJHJCM50.0*; ABJHJCM50.0\$\$JC300.0*; ABJHJF100.0*)

FIIG A545U
INC 68350
SECTION I

MRC Mode Code Requirements

<u>REPLY CODE</u>	<u>REPLY (AB36)</u>
C	DEG CELCIUS
F	DEG FAHRENHEIT

AEHX * J MAXIMUM POWER DISSIPATION RATING

Definition: THE MAXIMUM AMOUNT OF ELECTRICAL ENERGY THAT CAN BE EXPENDED BY AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AEHXJL18.0*)

<u>REPLY CODE</u>	<u>REPLY (AC33)</u>
D	DECIBELS
K	KILOVOLT-AMPERE
L	KILOWATTS
M	MILLIWATTS
E	VOLT-AMPERE
W	WATTS

ACYN * J AC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYNJVA110.0*; ACYNJVB110.0\$\$JVC120.0*)

<u>REPLY CODE</u>	<u>REPLY (AB63)</u>
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

FIIG A545U
INC 68350
SECTION I

MRC Mode Code Requirements

ACZB * J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJEB50.0\$\$JEC120.0*)

<u>REPLY CODE</u>	<u>REPLY (AC32)</u>
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

FAAZ * D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB*; FAAZDA\$DC*)

<u>REPLY CODE</u>	<u>REPLY (AD02)</u>
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

ACYR * J DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYRJVA50.0*; ACYRJVB50.0\$\$JVC60.0*)

<u>REPLY CODE</u>	<u>REPLY (AB63)</u>
K	KILOVOLTS

FIIG A545U
INC 68350
SECTION I

MRC	Mode Code	Requirements
	M	MEGAVOLTS
	U	MICROVOLTS
	L	MILLIVOLTS
	V	VOLTS
	<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
	A	NOMINAL
	B	MINIMUM
	C	MAXIMUM

AWNQ * D POWER SUPPLY OUTPUT CURRENT TYPE

Definition: INDICATES THE TYPE OF POWER SUPPLY OUTPUT CURRENT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWNQDB*; AWNQDB\$DC*)

<u>REPLY CODE</u>	<u>REPLY (AB62)</u>
B	AC
D	AC/DC
C	DC

AWNP * J POWER SUPPLY OUTPUT VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF OUTPUT OF THE POWER SUPPLY.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWPJPJA22.0*; AWPJPJB22.0\$\$JVC28.0*)

<u>REPLY CODE</u>	<u>REPLY (AB63)</u>
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL

FIIG A545U
INC 68350
SECTION I

MRC	Mode Code	Requirements
	B	MINIMUM
	C	MAXIMUM

AWNR * J POWER SUPPLY OUTPUT CURRENT RATING

Definition: THE OUTPUT CURRENT RATING OF THE POWER SUPPLY.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWRNJAA125.0*; AWRNJAB125.0\$\$JAC130.0*)

<u>REPLY CODE</u>	<u>REPLY (AC30)</u>
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ABHP * J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA25.4*; ABHPJAB7.900\$\$JAC8.100*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

FIIG A545U
INC 68350
SECTION I

MRC Mode Code Requirements

ABMK * J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB2.500\$\$JAC2.600*)

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

HGTH * J HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF AN OBJECT, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., HGTHJAA1.000*; HGTHJLA25.4*; HGTHJAB0.750\$\$JAC1.250*)

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ABPX * J MATERIAL THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE MATERIAL, IN DISTINCTION FROM LENGTH OR WIDTH.

FIIG A545U
INC 68350
SECTION I

MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABPXJAA0.725*; ABPXJLA2.2*; ABPXJAB0.060\$\$JAC0.062*)

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ABFF * D FURNISHED ITEMS

Definition: ITEMS FURNISHED AS ACCESSORIES WHICH ARE NOT SPECIFIED ELSEWHERE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1 . (e.g., ABFFDACN*; ABFFDACN\$\$DABW*)

CBBL * D FEATURES PROVIDED

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CBBLDFNY*)

REPLY CODE

FNY

REPLY (AN47)

ROHS DIRECTIVE COMPLIANCE

FEAT * G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. (e.g., FEATGQUALITY CONTROLLED*)

FIIG A545U
INC 68350
SECTION I

MRC Mode Code Requirements

ZZZK * J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B\$\$JP80205-NAS1103*)

<u>REPLY CODE</u>	<u>REPLY (AN62)</u>
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

ZZZT * J NONDEFINITIVE SPEC/STD DATA

NOTE: If the specification/standard cited in reply to MRC ZZZK is nondefinitive, reply to MRC ZZZT. This reply is the data which is not recorded in Segment C.

FIIG A545U
INC 68350
SECTION I

MRC	Mode Code	Requirements
		<p>Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.</p> <p>Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 2 , followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1\$\$JSTA*; ZZZTJTY1\$JSTA*)</p>
ZZZY *	G	<p>REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS</p> <p>Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.</p> <p>Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)</p>
CRTL *	A	<p>CRITICALITY CODE JUSTIFICATION</p> <p>Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.</p> <p>Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAAKJA*; CRTLAAKJA\$\$ACSGS*)</p> <p>Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.</p>
PRPY *	A	<p>PROPRIETARY CHARACTERISTICS</p> <p>NOTE: If Document Availability Code B, D, F, or H, reply to MRC PRPY.</p> <p>Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.</p>

FIIG A545U
INC 68350
SECTION I

MRC	Mode Code	Requirements
		Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAAKJA\$\$ACSGS*)
ELRN *	G	EXTRA LONG REFERENCE NUMBER Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS. Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*). If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365). In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.
AGAV *	G	END ITEM IDENTIFICATION Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART. Reply Instructions: Enter the applicable reply in clear text. (e.g., AGAVG3930-00-000-0000*; AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)
CXCY *	G	PART NAME ASSIGNED BY CONTROLLING AGENCY Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM. Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)
CLQL *	G	COLLOQUIAL NAME

FIIG A545U
INC 68350
SECTION I

MRC	Mode Code	Requirements
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Definition: A COMMON USAGE NAME BY WHICH AN ITEM IS KNOWN.

Reply Instructions: Enter the reply in clear text. (e.g., CLQLGWOVEN WIRE CLOTH*)

Reply Tables

Table 1 - FURNISHED ITEMS..... 17

Table 2 - NONDEFINITIVE SPEC/STD DATA..... 17

Table 1 - FURNISHED ITEMS
FURNISHED ITEMS

<u>REPLY CODE</u>	<u>REPLY (AB28)</u>
BQN	ADHESIVE
BQQ	ANCHOR NUT
BQP	ANGLE
AEG	BALL BEARING
ABR	BOLT
AJM	BUSHING
AEL	CAP
AYK	CHANNEL
BBZ	CLEVIS
ASX	CLIP
BCA	COTTER PIN
BQR	ELBOW
ACN	GASKET
AJR	INSERT
ARJ	LOCK RING
ABW	NUT
BQS	NUT PLATE
ABY	PIN
ATB	PLATE
AQW	RING
ATC	RIVET
AMX	SCREW
AFH	SEAL
BPQ	SHIM
ATD	SPACER
AMY	SPRING
AJW	WASHER

Table 2 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Reference Drawing Groups

No table of contents entries found.

FIIG Change List

FIIG Change List, Effective October 2, 2009

New FIIG.